

for railway use



The multi-pole modular power connectors GMP are used for motor and power connections in railway applications. They are suitable for power distribution across carriages and for connecting traction motors. They are connectors with up to 3 contacts with a cable cross section from 50mm² to 185mm². Voltages up to 3600 VAC and currents up to 750 A can be achieved.

GMP connectors are characterised by their modularity, maximum flexibility, compact design and quick assembly. They are particularly suitable for harsh environments and impress with their high resistance to vibration, impact and shaking. When mated, these robust connectors comply with protection class IP68 according to DIN EN 60529.



ADVANTAGES

- Suitable for railway applications
- Sturdy housing (aluminium)
- With or without shield connection
- Easy assembly with "G-Lock" clip system
- Codable
- More than 60 years of railway experience



CHARACTERISTICS

- Up to 750A Power
- Up to 3600V Voltage
- Up to 185 mm² Cable cross-section
- Operating temperature -55°C to +100°C
- EN 60529 Protection class up to IP68
- EN 45545-2 R22,R23 / HL1,HL2,HL3



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Hoods

Technical characteristics

Number of contacts	up to 3
Material	Die-cast aluminium
Surface treatment	Powder-coated
Locking type	Screw locking
Number of mating cycles	> 500

Plug housing: GMPH-3P-H-TEH-3M40



Technical characteristics

Upper cable outlet horizontal (TEH)	3 x M40
Cable strain relief	Cable gland
REACH	SVHC substances, yes - Lead
RoHS	Compliant according to 2015/863/EU (RoHS II), Annex II

Receptacle housing: GMPH-3R-H-TEH-3M40



Modules „G-Lock“

Technical characteristics

Number of contacts	1
Material	Thermoplastic
Operating temperature	-55°C - + 100°C
Locking type	Clip
Rated current (A)	750
Operating voltage (V)	3600

Pin contact module GMPM-3600-750-1PPC-01



Technical characteristics

Rated impulse voltage (kV)	12
Insulation resistance (Ω)	$\geq 10^{10}$
Overvoltage category	3
Pollution degree	3
Fire protection class	DIN EN 45545-2 R22:HL1/HL2 - R23: HL1/HL2/HL3

Socket contact module GMPM-3600-750-1SPC-01



Contacts

Pin Contacts

GMPC-PPC-70AG	Pin contact PC series, 750A, 70mm ²
GMPC-PPC-95AG	Pin contact PC series, 750A, 90mm ²
GMPC-PPC-120AG	Pin contact PC series, 750A, 120mm ²
GMPC-PPC-150AG	Pin contact PC series, 750A, 150mm ²
GMPC-PPC-185AG	Pin contact PC series, 750A, 185mm ²



Socket Contacts

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